DI5003

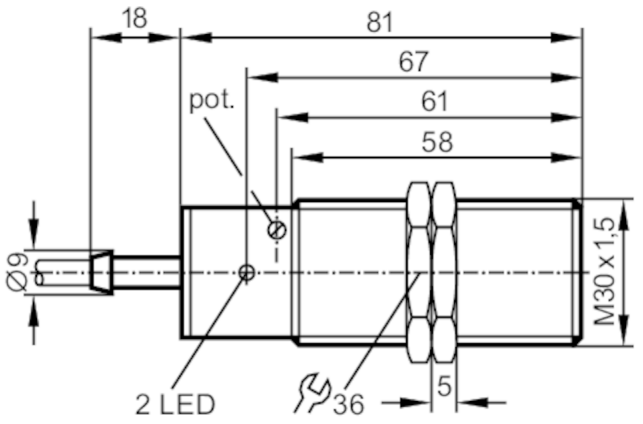
Compact evaluation unit for speed monitoring

DIA3010-ZPKG/30-3000 I/MIN

Article no longer available - archive entry

Alternative articles: DI5020

When selecting an alternative article and accessories please note that technical data may differ!



CE

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Dimensions	[mm]	M30 x 1.5 / L = 81
Application		
Application		simple evaluation of rotating and linear movement with regard to underspeed; blocking
Electrical data		
Nominal voltage DC	[V]	10...36
Current consumption	[mA]	< 15
Reverse polarity protection		yes
Outputs		
Total number of outputs		1
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Short-time current rating of switching output	[mA]	250
Short-circuit proof		yes
Overload protection		yes
Monitoring range		
Sensing range	[mm]	10
Sensing range adjustable		no

DI5003

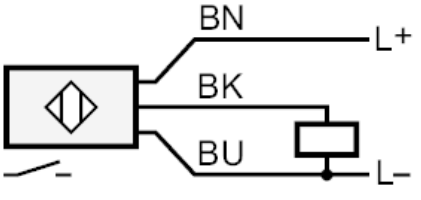
Compact evaluation unit for speed monitoring

DIA3010-ZPKG/30-3000 I/MIN

Measuring/setting range		
Setting range	[Imp/min]	30...3000
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	10
Reaction times		
Start-up delay	[s]	15
Max. damping frequency	[Imp/min]	15000
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Weight	[g]	258.4
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Material		brass special coating; PBT
Tightening torque	[Nm]	50
Displays / operating elements		
Display	Switching status	1 x LED, green
Electrical connection		

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



	Core colors :
BK =	black
BN =	brown
BU =	blue